

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number  
**WO 2005/054279 A1**

- (51) International Patent Classification<sup>7</sup>: **C07K 7/06**, (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (21) International Application Number: **PCT/EP2004/013203** ✓
- (22) International Filing Date: **19 November 2004 (19.11.2004)** ✓
- (25) Filing Language: **English** ✓
- (26) Publication Language: **English** ✓
- (30) Priority Data: **103 55 559.5** **21 November 2003 (21.11.2003)** **DE** ✓
- (71) Applicant (for all designated States except US): **OR-THOGEN AG [DE/DE]; Graf Adolf Strasse 43, 40210 Düsseldorf (DE).** ✓
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **MELJER, Hans [NL/AE]; Umm Suqeim 1, 29c Street, Villa #31, P.O. Box 48886 (AE). WEHLING, Peter [DE/DE]; Pigageallee 2a, 40597 Düsseldorf (DE). STURM, Barbara [DE/DE]; Kaiser-Wilhelm-Ring 47, 40545 Düsseldorf (DE). REI-NECKE, Julio [DE/DE]; Guntherstrasse 162, 50739 Köln (DE).** ✓
- (74) Agents: **SCHRELL, Andreas et al.; Gleiss & Grosse, Gleiss Grosse Schrell & Partner, Leitzstrasse 45, 70469 Stuttgart (DE).** ✓
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG). ✓
- Published:**
- with international search report
  - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **DELIVERY PEPTIDES, THEIR CONSTRUCTS WITH ACTIVE AGENTS AND USE** ✓

(57) Abstract: The present invention refers to delivery proteins, protein-cargo complexes, methods, and means for the enhanced delivery or transport of drugs, biologically active agents or other compounds as cargo or cargo molecules onto, into, or across biological membranes or tissues forming a biological barrier.

WO 2005/054279 A1